1/5 **FIG. 1**

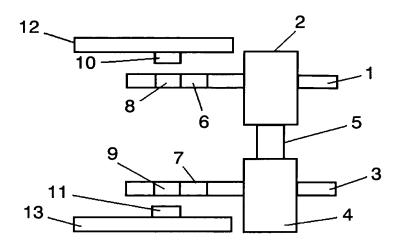
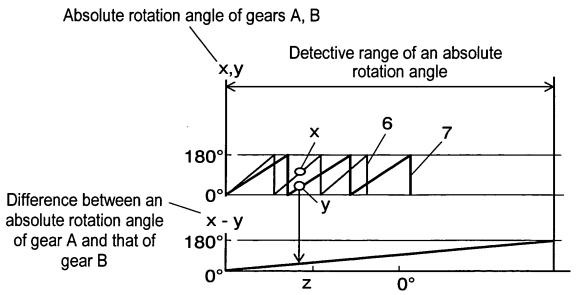
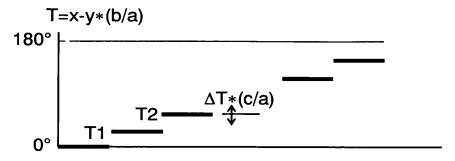


FIG. 2



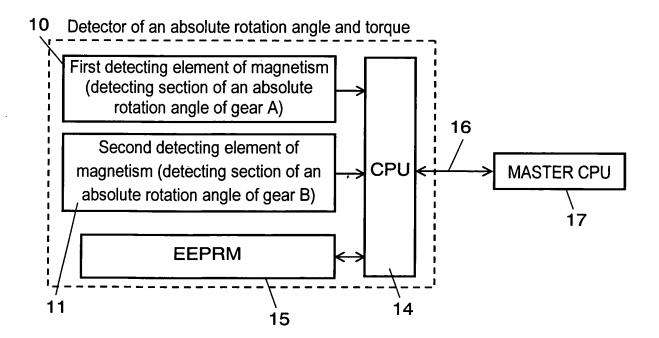
Absolute rotation angle of first gear 1 and second gear 3

^{2/5} FIG. 3

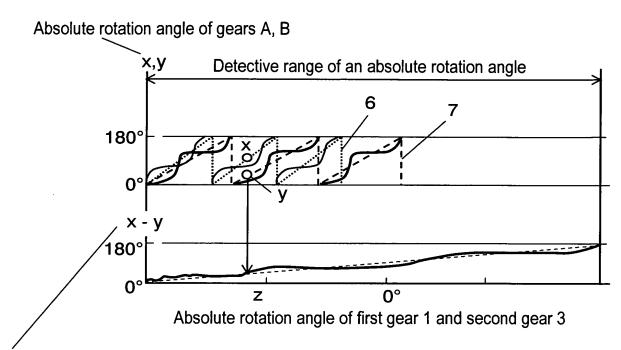


Absolute rotation angle of first gear 1 and second gear 3

FIG. 4

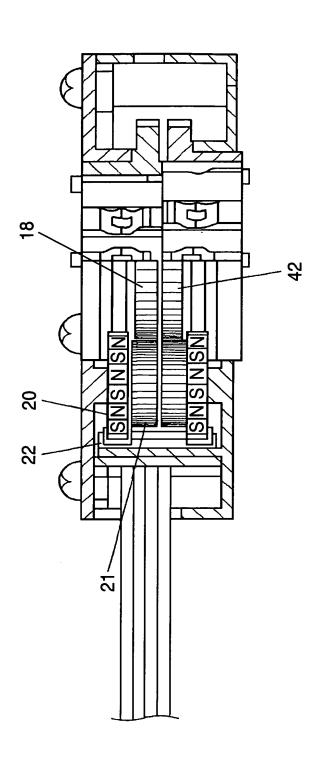


^{3/5} FIG. 5



Difference between an absolute rotation angle of gear A and that of gear B





Reference numerals in the drawings

- 1 first gear
- 2 input shaft
- 3 second gear
- 4 output shaft
- 5 torsion bar
- 6 gear A
- 7 gear B
- 8 first magnet
- 9 second magnet
- 10 first detecting element of magnetism
- 11 second detecting element of magnetism
- 12 board
- 13 board
- 14 CPU
- 15 EEPROM
- 16 serial communication line
- 17 master CPU